

FIG.1

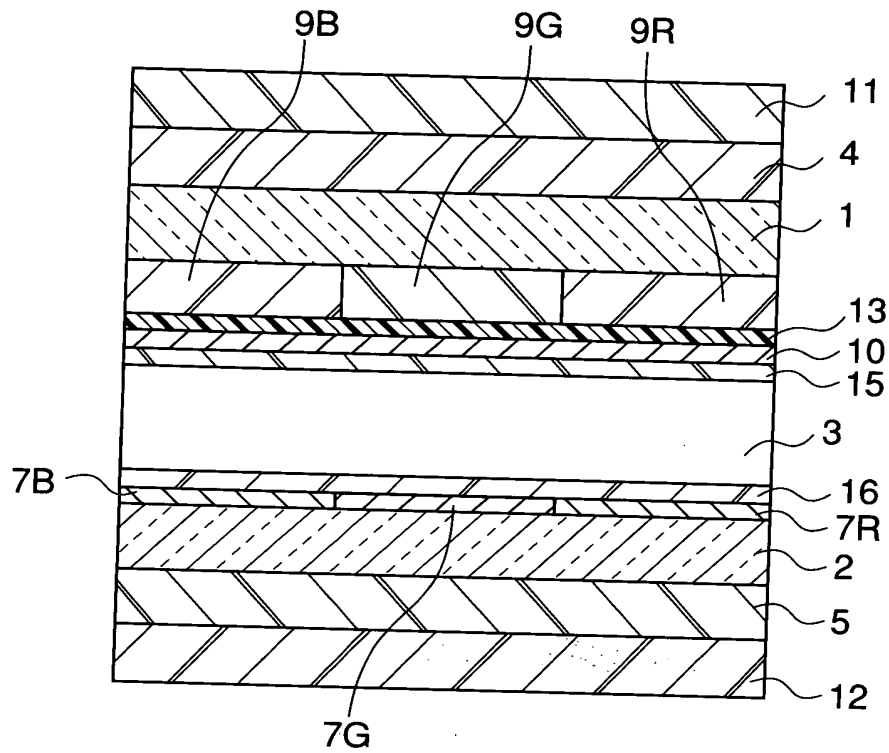


FIG.2

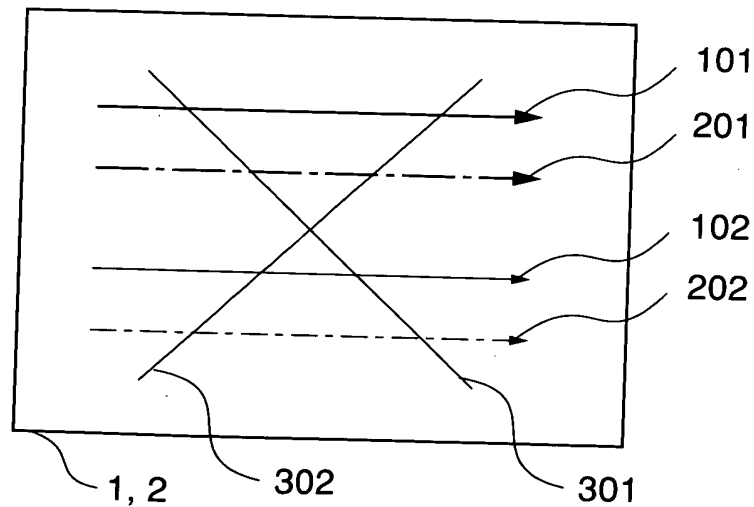


FIG.3

	SAMPLE S1	SAMPLE S2	SAMPLE S3
BIREFRINGENT INDEX OF LIQUID CRYSTAL $\Delta n$	0.11	0.13	0.16
PERMITTIVITY ANISOTROPY OF LIQUID CRYSTAL $\Delta \epsilon$	4	4.1	4.1
PRE-TILT	5 DEGREES	5 DEGREES	5 DEGREES
k11	10.2	10.3	10.5
k22	7.0	7.0	7.5
k33	17.0	17.0	17.2
INTERVAL BETWEEN SUBSTRATES	5.5 $\mu$ m	5.5 $\mu$ m	5.5 $\mu$ m
PHASE COMPENSATION PLATE Rf (VALUE AT FRONT)	50nm FOR ONE PLATE	50nm FOR ONE PLATE	50nm FOR ONE PLATE
APPLIED VOLTAGE UNDER BLACK DISPLAY	8V	9V	10V

FIG.4A

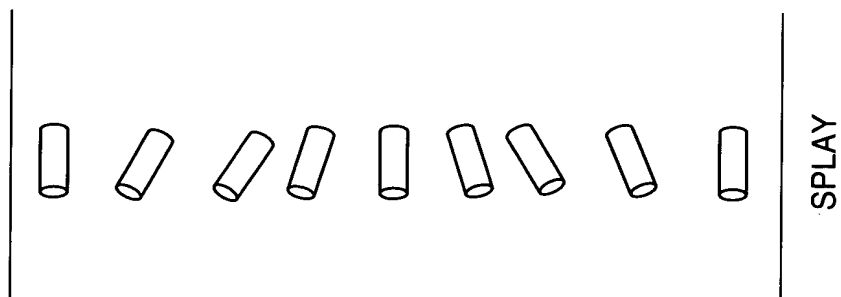


FIG.4B

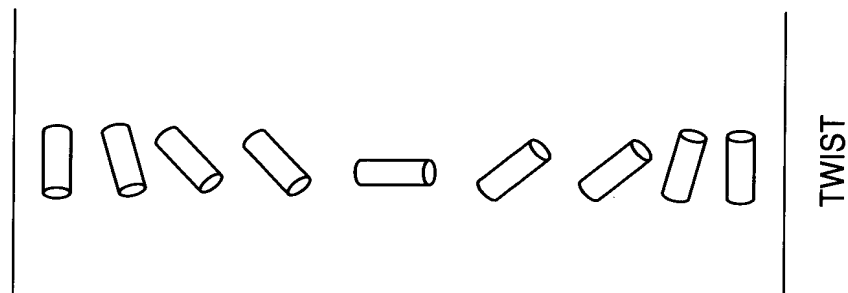


FIG.4C

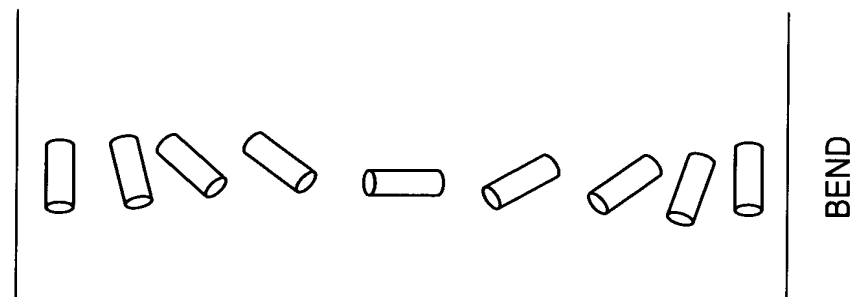


FIG.5

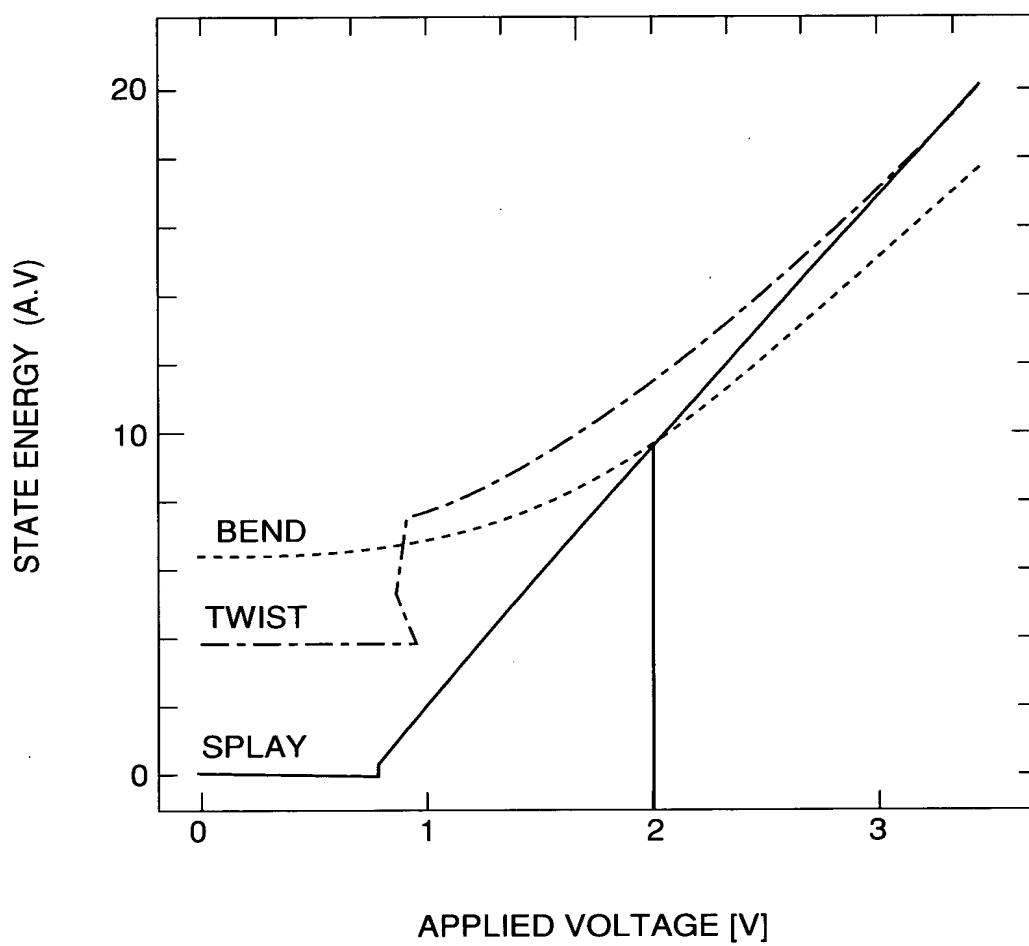
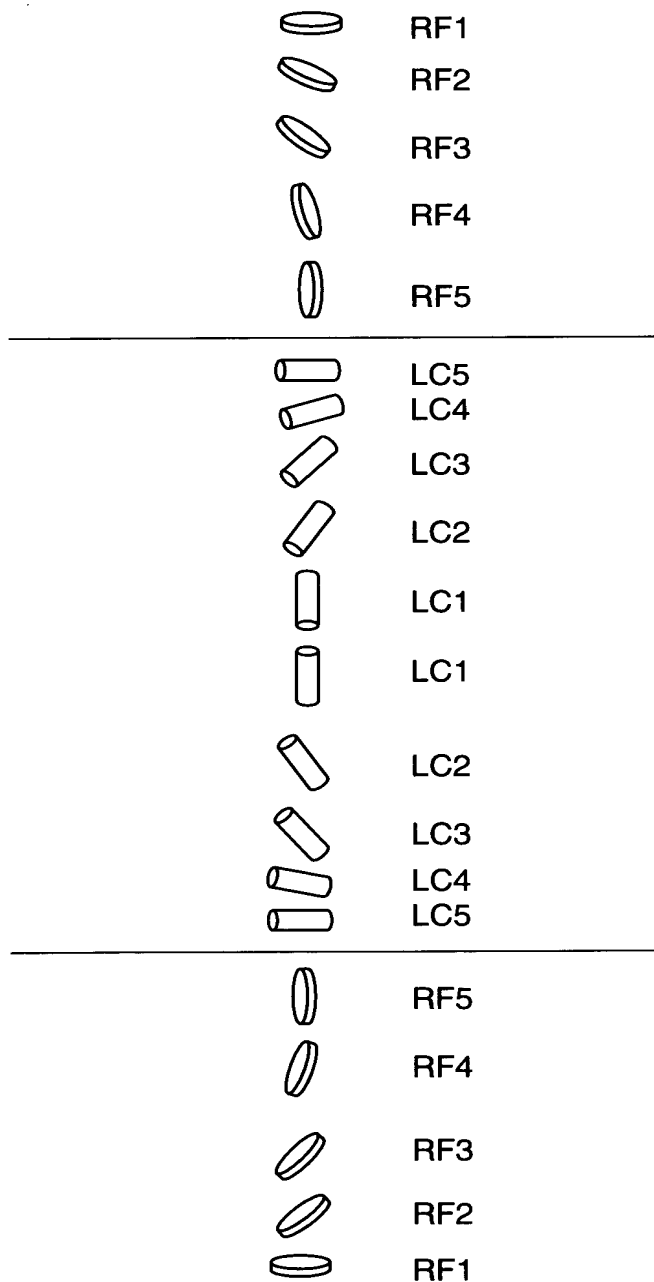
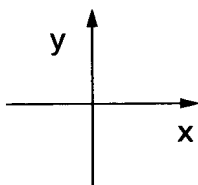
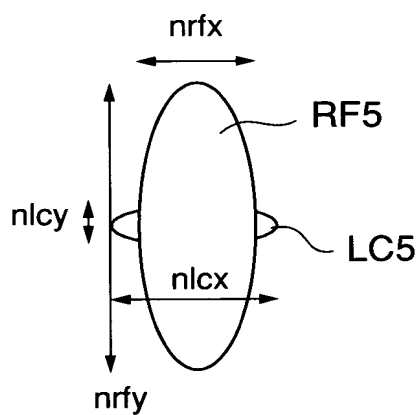


FIG.6



**FIG.7B**



nlcx... x-DIRECTIONAL REFRACTIVE INDEX OF LC5  
nlcy... Y-DIRECTIONAL REFRACTIVE INDEX OF LC5  
nrfx... x-DIRECTIONAL REFRACTIVE INDEX OF RF5  
nrfy... y-DIRECTIONAL REFRACTIVE INDEX OF RF5

FIG.8

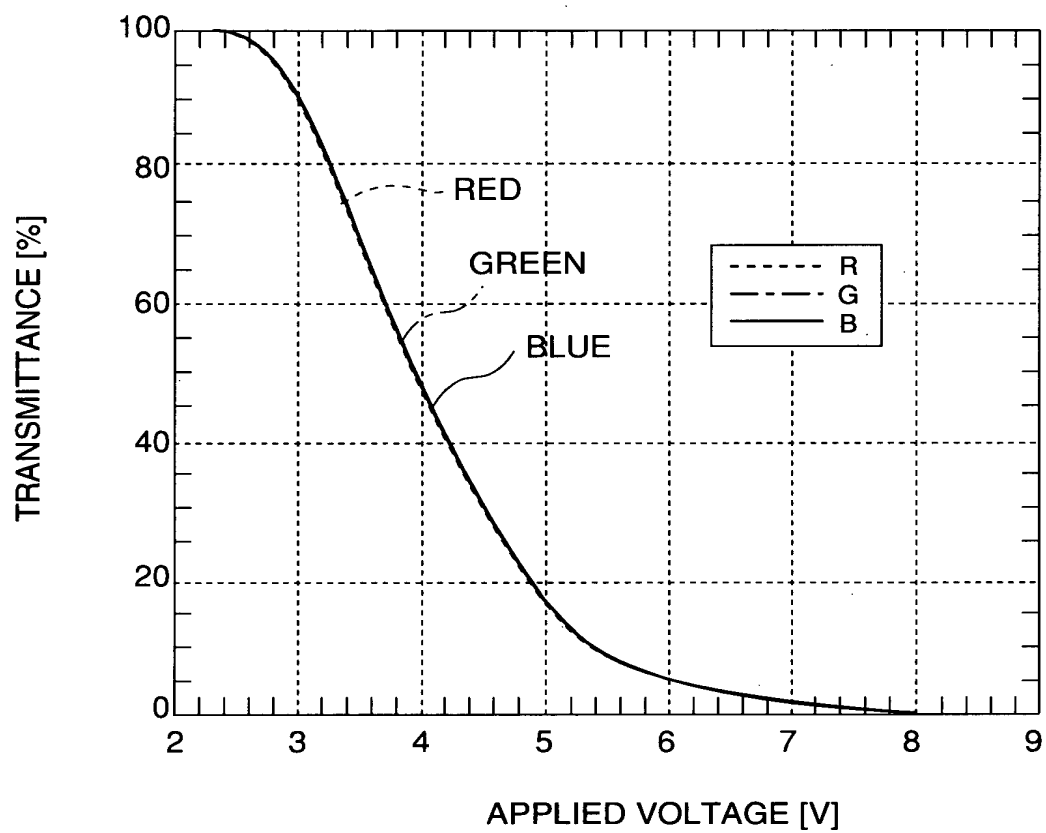


FIG.9

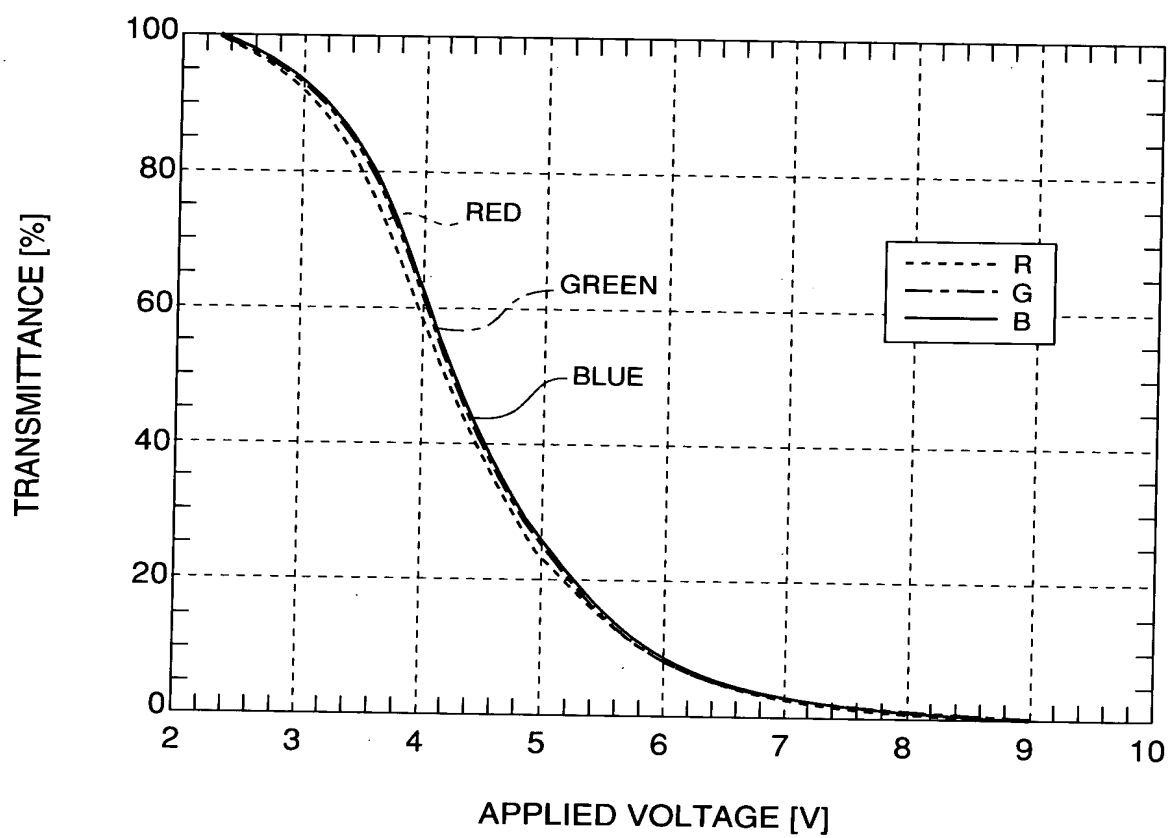




FIG.10

